

APPENDIX A OPERATIONAL CHECKLISTS

A.1 INTRODUCTION.

The checklists provided in this Appendix should be completed while performing the same procedures in Chapter 2 Operating Procedures. Copy and complete the checklists as needed.

A.2 CHECKLISTS PROVIDED.

The following checklists are provided in this Appendix:

- Table A-1 – Visual Inspection Checklist
- Table A-2 – Donning Checklist
- Table A-3 – Go-on Air Checklist
- Table A-4 – Doffing Checklist
- Table A-5 – Cylinder Assembly Removal and Replacement Checklist
- Table A-6 – Emergency Operation Checklist

Table A-1. Visual Inspection Checklist.

FOR DETAILED PROCEDURES, REFER TO PARAGRAPH 2.3.1.1

| PREPARER'S NAME: | DATE: |
|---|--|
| WARNING | |
| Damaged cylinder assemblies may suddenly leak or rupture if left charged with compressed air. Failure to inspect for damage and depressurize damaged cylinder assemblies may result in serious injury or death to personnel. | |
| WARNING | |
| If any worn, broken, frayed, or damaged components are found, remove SCBA from service and tag for repair. Failure to identify and remove a defective SCBA from service may result in serious injury or death to personnel. | |
| <input type="checkbox"/> | a. Inspect backframe and harness assembly and facepiece for obvious damage. |
| <input type="checkbox"/> | b. Visually inspect cylinder assembly for physical damage such as dents, gouges, abrasions, cuts, loose fibers, etc. IAW Appendix C. |
| <input type="checkbox"/> | c. If damage is found, remove component from service and tag for repair. If applicable, depressurize IAW paragraph 1.9.1. |
| <input type="checkbox"/> | d. Ensure minimum 4,000 psig reading on dual-reading pressure indicator. |
| OR | |
| <input type="checkbox"/> | d. If reading is below 4,000 psig, replenish air IAW paragraph 2.3.2. |
| <input type="checkbox"/> | e. Ensure cylinder assembly is firmly locked in position by cylinder band clamp and hanger plate. |

Table A-2. Donning Checklist (Sheet 1 of 2).

FOR DETAILED PROCEDURES, REFER TO PARAGRAPH 2.3.1.2

| | | | | |
|--|--|-------|--|--|
| PREPARER'S NAME: | | DATE: | | |
| WARNING Ensure immediate area provides adequate space to safely don SCBA without causing damage to equipment or serious injury or death to personnel. | | | | |
| a.(1) Coat-Style Method: <ul style="list-style-type: none"> <input type="checkbox"/> (a) Position backframe and harness assembly with cylinder valve on deck, cylinder assembly facing user, and fully extended side straps facing away. <input type="checkbox"/> (b) Grasp shoulder straps. <input type="checkbox"/> (c) Swing backframe and harness assembly over and onto back, sliding shoulder strap over arm. Extend both arms through shoulder straps. <input type="checkbox"/> (d) Lean forward and pull down on both side straps to tighten. <input type="checkbox"/> (e) Buckle quick-release buckle. <input type="checkbox"/> (f) Simultaneously pull waist adjustment straps forward to tighten. <input type="checkbox"/> (g) Readjust side straps to ensure most of SCBA weight is on hips. <input type="checkbox"/> (h) Lift hands straight up to ensure comfortable fit and proper adjustment. | | OR | b.(2) Over-the-Head Method: <ul style="list-style-type: none"> <input type="checkbox"/> (a) Position backframe and harness assembly with cylinder valve facing up, cylinder assembly away from user, and fully extended side straps facing away. <input type="checkbox"/> (b) While on one knee, grasp sides of backframe. <input type="checkbox"/> (c) Lift backframe and harness assembly up and over head, making sure elbows extend through loop formed by shoulder straps. <input type="checkbox"/> (d) Pull down on side straps to tighten. Stand up. <input type="checkbox"/> (e) Buckle quick-release buckle. <input type="checkbox"/> (f) Simultaneously pull waist adjustment straps forward to tighten. <input type="checkbox"/> (g) Readjust side straps to ensure most of SCBA weight is on hips. <input type="checkbox"/> (h) Lift hands straight up to ensure comfortable fit and proper adjustment. | |
| <input type="checkbox"/> b. Ensure air saver switch is fully depressed and purge valve is rotated fully clockwise until closed. | | | | |
| WARNING For proper SCBA operation, the cylinder valve must be fully opened. SCBA use with cylinder valve partially opened may cause a reduction or sudden loss of air supply, resulting in serious injury or death to personnel. | | | | |
| <input type="checkbox"/> c. Open cylinder valve by slowly turning handwheel fully away from user, then back off 1/4 turn. | | | | |
| WARNING If Vibralert® does not actuate or HUD (if attached) does not initialize as described, remove SCBA from service and tag for repair to prevent serious injury or death to personnel. | | | | |
| <input type="checkbox"/> d. The Vibralert® shall actuate then stop. The HUD, if attached, shall initialize with all five LEDs on for approximately 20 seconds then display cylinder air pressure as percentage of air remaining. | | | | |
| <input type="checkbox"/> e. Ensure remote pressure indicator reading is greater than 0 psig. If 0 psig, replace cylinder assembly IAW paragraph 2.3.2.2. | | | | |
| <input type="checkbox"/> f. Extend head harness straps. Ensure head harness straps are not twisted and lay flat against head. | | | | |

Table A-2. Donning Checklist – Continued. (Sheet 2 of 2).

FOR DETAILED PROCEDURES, REFER TO PARAGRAPH 2.3.1.2

| PREPARER'S NAME: | | DATE: |
|--------------------------|---|--------------|
| <input type="checkbox"/> | g. Place chin in chin pocket and pull head harness straps over head. | |
| <input type="checkbox"/> | h. Simultaneously pull back on ends of temple straps to tighten for a comfortable fit. | |
| <input type="checkbox"/> | i. Simultaneously pull back on ends of neck straps to tighten for a comfortable fit. | |
| <input type="checkbox"/> | j. Feel crown of head with one hand to ensure proper head harness strap placement. Readjust temple and neck straps as necessary until comfortable fit and proper placement is achieved. | |
| <input type="checkbox"/> | k. Perform a seal check by placing palm of hand over adapter port on facepiece. | |
| <input type="checkbox"/> | l. Inhale and hold breath for a second or so facepiece can seal to face. If facepiece does not seal to face, repeat steps f through l. | |
| <input type="checkbox"/> | m. If equipped, turn on voice amplifier and check for operation. | |
| <input type="checkbox"/> | n. Don protective head gear, and properly position and close any required protective clothing such as turn-out gear to place SCBA in standby condition but not in operational use. | |

Table A-3. Go-On Air Checklist.

FOR DETAILED PROCEDURES, REFER TO PARAGRAPH 2.3.1.3

| | | |
|---|--|--------------|
| PREPARER'S NAME: | | DATE: |
| <input type="checkbox"/> a. Remove mask-mounted regulator from regulator holder. <input type="checkbox"/> b. From perspective of user, orient purge valve at 12 o'clock and air saver switch at 3 o'clock, insert mask-mounted regulator into adapter port and rotate counterclockwise 1/4 turn until latch mechanism engages. <input type="checkbox"/> c. Attempt to rotate mask-mounted regulator to ensure latch mechanism is engaged. <input type="checkbox"/> d. Inhale sharply to release air saver switch and start airflow. <input type="checkbox"/> e. Breathe normally. | | |
| WARNING Should the bell alarm, Vibralert®, or HUD activate during operational use, immediately leave area requiring SCBA protection to prevent serious injury or death to personnel. | | |
| <input type="checkbox"/> f. Proceed with use of SCBA. | | |

Table A-4. Doffing Checklist.

FOR DETAILED PROCEDURES, REFER TO PARAGRAPHS 2.3.1.4 and 2.3.1.5

| PREPARER'S NAME: | | DATE: |
|---|---|-------|
| Go-Off Air Procedures | | |
| <input type="checkbox"/> | a. Depress air saver switch until click is heard, then release. | |
| <input type="checkbox"/> | b. Pull out on latch mechanism and rotate mask-mounted regulator 1/4 turn clockwise and remove from adapter port. | |
| <input type="checkbox"/> | c. Stow mask-mounted regulator in holder to return to standby condition. | |
| Doffing Procedures | | |
| WARNING | | |
| Doffing the SCBA must be performed only when the user is in a safe environment that does not require SCBA protection. | | |
| <input type="checkbox"/> | a. Perform Go-Off Air Procedures | |
| <input type="checkbox"/> | b. Fully close cylinder valve by rotating handwheel toward user. | |
| <input type="checkbox"/> | c. Fully open purge valve by rotating counterclockwise and bleed residual air from SCBA. | |
| <input type="checkbox"/> | d. When airflow stops, close purge valve by rotating clockwise. | |
| <input type="checkbox"/> | e. Lift each buckle on temple and neck straps and remove facepiece from head. | |
| <input type="checkbox"/> | f. Depress waist strap spring-action buckles and fully extend waist adjustment straps. | |
| <input type="checkbox"/> | g. Unbuckle quick-release buckle. | |
| <input type="checkbox"/> | h. Depress shoulder strap spring-action buckle and fully extend side straps. | |
| CAUTION | | |
| Ensure positive control is maintained during removal of the backframe and harness assembly to prevent equipment damage. | | |
| <input type="checkbox"/> | i. Maintain firm grip of shoulder straps while removing SCBA. | |

Table A-5. Cylinder Assembly Removal and Replacement Checklist. (Sheet 1 of 2)

FOR DETAILED PROCEDURES, REFER TO PARAGRAPHS 2.3.2.2

| | | |
|---|--|--------------|
| PREPARER'S NAME: | | DATE: |
| Removal Procedures | | |
| <p style="text-align: center;">WARNING</p> <p>To prevent serious injury or death to personnel, cylinder assembly removal must be performed only when the user is in a safe environment that does not require SCBA protection.</p> | | |
| <input type="checkbox"/> | a. Fully close cylinder valve. | |
| <input type="checkbox"/> | b. Fully open purge valve on mask-mounted regulator and bleed residual air from SCBA. | |
| <input type="checkbox"/> | c. When airflow stops, close purge valve. | |
| <input type="checkbox"/> | d. Check remote pressure indicator for no air pressure. | |
| <p style="text-align: center;">WARNING</p> <p>Leakage of high-pressure air could cause damage to equipment and serious injury or death to personnel.</p> | | |
| <input type="checkbox"/> | e. Rotate hand coupling to remove from cylinder valve. | |
| <input type="checkbox"/> | f. Unsnap and pull up on over-center latch mechanism to release cylinder band clamp. | |
| <p style="text-align: center;">WARNING</p> <p>To prevent serious injury or death to personnel, do not grab handwheel instead of cylinder valve.</p> | | |
| <input type="checkbox"/> | g. With one hand grab cylinder valve and press on locking tab with other hand. | |
| <input type="checkbox"/> | h. Push up on cylinder assembly until disengaged from backframe hook. Pull cylinder assembly down and out of backframe and harness assembly. | |
| Replacement Procedures | | |
| <p style="text-align: center;">WARNING</p> <p>Never use a cylinder assembly with a damaged cylinder valve or a cylinder valve with damaged threads. Leakage may occur, which could cause loss of breathing air or a sudden release of high-pressure air, resulting in serious injury or death to personnel.</p> | | |
| <input type="checkbox"/> | a. Conduct visual inspection of cylinder assembly IAW Appendix C. | |
| <input type="checkbox"/> | b. Ensure dual-reading pressure indicator indicates a minimum of 4,000 psig. | |
| <input type="checkbox"/> | c. Position cylinder band clamp on bail for different sized cylinder assemblies IAW procedures. | |
| <input type="checkbox"/> | d. Guide dome end of cylinder assembly upward through cylinder band clamp. | |
| <input type="checkbox"/> | e. Turn cylinder assembly so hanger plate points toward backframe and aligns with center of backframe hook in bottom of backframe. | |
| <input type="checkbox"/> | f. Push cylinder assembly down until backframe hook engages with hanger plate. | |

Table A-5. Cylinder Assembly Removal and Replacement Checklist – Continued (Sheet 2 of 2).

FOR DETAILED PROCEDURES, REFER TO PARAGRAPHS 2.3.2.2

| | | |
|---|---|--------------|
| PREPARER'S NAME: | | DATE: |
| <input type="checkbox"/> | g. Adjust cylinder band clamp to compensate for small variations in cylinder size if necessary. | |
| <input type="checkbox"/> | h. Push down on over-center latch mechanism until locked firmly in place and snap. | |
| <input type="checkbox"/> | i. Connect, but do not tighten, hand coupling to cylinder valve. | |
| CAUTION | | |
| Do not use a wrench to tighten hand coupling to cylinder valve. Overtightening may damage hand coupling and cylinder valve. | | |
| <input type="checkbox"/> | j. Hand-tighten hand coupling by turning clockwise until seated. | |